



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.4001

Job Sheet 174593



Part No: 646.4001

Job Qty: 1 ea

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/19/18

Job Tracking No:

Due Date: 3/30/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		3/30/18	0.00	0.00	Start Up Stores/Pkg-1		MAR 27 2018
110	Packaging	1 pcs		3/30/18	0.00	0.00	Packaging1-1		APR 19 2018
120	QC	1 pcs		3/30/18	0.00	0.00	QC4		
125	DC	1 pcs		3/30/18	0.00	0.00	DC		
130	Packaging	1 pcs		3/30/18	0.00	0.00	Packaging3-1		
140	QC21-FG	1 Ea		3/30/18	0.00	0.00	QC21		APR 18/04/19

Part Op 125 - Photocopy bluefile & type labels per PPP 646.4001

Descriptions: 130 - Identify and pack for shipping as per PPP 646.4001 Location: Eg102 sold

DAS
21
9-88

APR 27 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129	VHB Tape	8 ft (8 ea)	90-Start up Operation	
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	
600.1013	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea)	90-Start up Operation	
646.2910	Deflector	1 Ea (1 ea)	90-Start up Operation	
646.3001	Lower Cable Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	
646.3110	Channel	1 Ea (1 ea)	90-Start up Operation	
646.3210	Support	1 Ea (1 ea)	90-Start up Operation	
646.3301	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	
646.3510	Strut	1 Ea (1 ea)	90-Start up Operation	
646.3511	Strut	1 Ea (1 ea)	90-Start up Operation	
646.3610	Filler	1 Ea (1 ea)	90-Start up Operation	
646.3710	Doubler	1 Ea (1 ea)	90-Start up Operation	
646.3711	Clip	1 Ea (1 ea)	90-Start up Operation	
646.3712	Clip	1 Ea (1 ea)	90-Start up Operation	
646.3713	Gusset	1 Ea (1 ea)	90-Start up Operation	
646.3714	Gusset	1 Ea (1 ea)	90-Start up Operation	
646.3715	Strut Doubler	2 Ea (2 ea)	90-Start up Operation	
646.3716	Gauge Bracket	1 Ea (1 ea)	90-Start up Operation	
646.3717	Doubler	1 Ea (1 ea)	90-Start up Operation	
646.3718	Custom Washer	2 Ea (2 ea)	90-Start up Operation	

001891

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Lo: ☐ Folio/Pro ☐ Grain ☐ Weld ☐ Wrong Stc ☐ Out of Sec ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		
OTHER : _____			Date: 03/27/18 Signature: _____ Title: _____ Inspector: _____		

Container No: S055558
 Part: 646.4001
 Job No: 174593
 Serial No/Batch: S055558
 Revision: _____
 Inspector: _____

DART AEROSPACE
 1270 Aberdeen Street
 Havertown, PA 19310
 CANADIAN: 613 632-5200
 TEL: 610 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

646.3719	Doubler	2 Ea (2 ea)	90-Start up Operation	
646.3810	Bracket	2 Ea (2 ea)	90-Start up Operation	
646.3811	Radius Block	1 Ea (1 ea)	90-Start up Operation	
646.3812	Gusset Bracket	2 Ea (2 ea)	90-Start up Operation	
646.3813	AS350 Strut Bracket	1 Ea (1 ea)	90-Start up Operation	
646.3910	Shim	4 Ea (4 ea)	90-Start up Operation	
646.3911	Shim	1 Ea (1 ea)	90-Start up Operation	
646.3912	Shim	4 Ea (4 ea)	90-Start up Operation	
646.3913	Shim	1 Ea (1 ea)	90-Start up Operation	
646.9410	Shim	1 Ea (1 ea)	90-Start up Operation	
647.0112	Strut Bracket	2 Ea (2 ea)	90-Start up Operation	
647.7703	Strut Assembly	2 Ea (2 ea)	90-Start up Operation	
650.9201	Eyelet Bracket Assembly	2 Ea (2 ea)	90-Start up Operation	
AN3-11A	Bolt	10 Ea (10 ea)	90-Start up Operation	
AN3-12A	Bolt	2 Ea (2 ea)	90-Start up Operation	
AN3-13A	Bolt	1 Ea (1 ea)	90-Start up Operation	
AN3-3A	Bolt	4 Ea (4 ea)	90-Start up Operation	
AN3-4A	Bolt	10 Ea (10 ea)	90-Start up Operation	
AN3-5A	Bolt	2 Ea (2 ea)	90-Start up Operation	
AN3-6A	Bolt	2 Ea (2 ea)	90-Start up Operation	
AN316C4R	Nut, Jam	2 Ea (2 ea)	90-Start up Operation	
AN44-5A	Eyebolt	2 Ea (2 ea)	90-Start up Operation	
AN4C7A	Bolt	2 Ea (2 ea)	90-Start up Operation	
AN665-34R	Clevis	2 Ea (2 ea)	90-Start up Operation	
CCR264SS3-02	Cherry Rivet	36 Ea (36 ea)	90-Start up Operation	
CR3213-50	Cherry Rivet	14 Ea (14 ea)	90-Start up Operation	
MS20426AD5-7	Rivet	2 Ea (2 ea)	90-Start up Operation	
MS20470AD5-5.5	Rivet	8 Ea (8 ea)	90-Start up Operation	
MS20470AD5-6	Rivet	8 Ea (8 ea)	90-Start up Operation	
MS20470AD5-7	Rivet	3 Ea (3 ea)	90-Start up Operation	
MS21042L08	Use Ms21042L08	2 Ea (2 ea)	90-Start up Operation	
MS21042L3	Nut	63 Ea (63 ea)	90-Start up Operation	
MS21042L4	Nut	2 Ea (2 ea)	90-Start up Operation	
MS21047-3	Nut Plate	18 Ea (18 ea)	90-Start up Operation	
MS24693-C278	Screw	5 Ea (5 ea)	90-Start up Operation	
MS24694-S51	Screw	5 Ea (5 ea)	90-Start up Operation	
MS24694-S54	Screw	2 Ea (2 ea)	90-Start up Operation	
MS24694-S55	Screw	3 Ea (3 ea)	90-Start up Operation	
MS27039-08-13	Screw	2 Ea (2 ea)	90-Start up Operation	
MS27039-1-10	Screw	2 Ea (2 ea)	90-Start up Operation	
MS27039-1-12	Screw	6 Ea (6 ea)	90-Start up Operation	
MS27039-1-16	Screw	24 Ea (24 ea)	90-Start up Operation	
MS27039-1-19	Screw	22 Ea (22 ea)	90-Start up Operation	
MS27039-1-20	Screw	2 Ea (2 ea)	90-Start up Operation	
MS27039-1-21	Screw	4 Ea (4 ea)	90-Start up Operation	
NAS1149F0332P	Washer	144 Ea (144 ea)	90-Start up Operation	
NAS1149F0363P	Washer	2 Ea (2 ea)	90-Start up Operation	
NAS1149F0432P	Washer	4 Ea (4 ea)	90-Start up Operation	
NAS1149FN832P	Washer	4 Ea (4 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0129	8	480	0
	600.0990	1	19	0
	600.0991	1	18	0
	600.1012	1	28	0
	600.1013	5	60	0
	646.2910	1	3	0
	646.3001	1	7	0
	646.3110	1	9	0
	646.3210	1	14	0
	646.3301	1	7	0
	646.3510	1	32	0
	646.3511	1	21	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

646.3610	1	25	0
646.3710	1	50	0
646.3711	1	35	0
646.3712	1	47	0
646.3713	1	41	0
646.3714	1	47	0
646.3715	2	62	0
646.3716	1	33	0
646.3717	1	38	0
646.3718	2	64	0
646.3719	2	36	0
646.3810	2	23	0
646.3811	1	7	0
646.3812	2	18	0
646.3813	1	19	0
646.3910	4	61	0
646.3911	1	48	0
646.3912	4	53	0
646.3913	1	64	0
646.9410	1	27	0
647.0112	2	88	0
647.7703	2	26	0
650.9201	2	19	0
AN3-11A	10	340	0
AN3-12A	2	134	0
AN3-13A	1	61	0
AN3-3A	4	199	0
AN3-4A	10	215	0
AN3-5A	2	450	0
AN3-6A	2	327	0
AN316C4R	2	30	0
AN44-5A	2	35	0
AN4C7A	2	115	0
AN665-34R	2	54	0
CCR264SS3-02	36	718	0
CR3213-5-3	14	194	0
MS20426AD5-7	2	1,237	0
MS20470AD5-5.5	8	429	0
MS20470AD5-6	8	1,223	0
MS20470AD5-7	3	218	0
MS21042-08	2	0	0
MS21042L3	63	2,841	0
MS21042L4	2	3,046	0
MS21047-3	18	536	0
MS24693-C278	5	90	0
MS24694-S51	5	289	0
MS24694-S54	2	127	0
MS24694-S55	3	188	0
MS27039-08-13	2	431	0
MS27039-1-10	2	349	0
MS27039-1-12	6	373	0
MS27039-1-16	24	708	0
MS27039-1-19	22	403	0
MS27039-1-20	2	81	0
MS27039-1-21	4	127	0
NAS1149F0332P	144	2,564	0
NAS1149F0363P	2	255	0
NAS1149F0432P	4	2,934	0
NAS1149FN832P	4	4,036	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001891	S055520	600.0990	Magnabond 6398 Part A Size 112 ml	s044948	LG050	1
001891	S055521	600.0991	Magnabond 6398 Part B Size 112 ml	s044949	LG050	1
001891	S055318	600.1012	Sealant PR1425B2 (#654 sem)	s054101	CCK017	1
001891	S055552	600.1013	021200-3M Tape Primer 94 Primer 24216	s020598	CCK096	5
001891	S055325	646.3001	Lower Cable Cutter Assembly	S040509	CCK023	1
001891	S055321	646.3110	Channel	S044090	CCK020	1
001891	S055320	646.3210	Support	S045159	CCK020	1
001891	S055319	646.3301	Upper Cutter Assembly	S040560	CCK018	1
001891	S055326	646.3510	Strut	s031107	CCK104	1
001891	S055323	646.3511	Strut	s036176	CCK104	1
001891	S055551	646.3610	Filler	s021581	CCK104	1
001891	S055324	646.3710	Doubler	S002104	CCK006	1
001891	S055550	646.3711	Clip	s026777	CCK104	1
001891	S055548	646.3712	Clip	f159863	CCK104	1
001891	S055328	646.3713	Gusset	f159851	CCK106	1
001891	S055327	646.3714	Gusset	f159846	CCK106	1
001891	S055547	646.3715	Strut Doubler	f159860	CCK105	2
001891	F159850	646.3716	Gauge Bracket		CCK105	1
001891	S055545	646.3717	Doubler	s026842	CCK105	1
001891	S055544	646.3718	Custom Washer	S026885	CCK105	2
001891	S055543	646.3719	Doubler	s038795	CCK105	2
001891	S055541	646.3810	Bracket	s036739	CCK105	2
001891	S027821	646.3811	Radius Block	S027820	CCK105	1
001891	S055540	646.3812	Gusset Bracket	s036884	CCK106	2
001891	S055538	646.3813	AS350 Strut Bracket	s037064	CCK106	1
001891	S055532	646.3910	Shim	s038811	CCK106	4
001891	S055531	646.3911	Shim	s027797	CCK106	1
001891	S055529	646.3912	Shim	s038813	CCK106	4
001891	S055528	646.3913	Shim	f126060	CCK106	1
001891	S055477	646.9410	Shim	f140671	CCK011	1
001891	S055476	647.0112	Strut Bracket	s041557	CCK106	2
001891	S034597	647.7703	Strut Assembly	S033013	CCK114	2
001891	S055475	650.9201	Eyelet Bracket Assembly	s043733	CCK127	2
001891	S055259	AN3-11A	Bolt	s027721	ST349	10
001891	S055258	AN3-12A	Bolt	f153854	ST349	2
001891	S055257	AN3-13A	Bolt	s038733	ST349	1
001891	S055256	AN3-3A	Bolt	s015688	ST350	4
001891	S055255	AN3-4A	Bolt	s019388	ST350	10
001891	S055254	AN3-5A	Bolt	s041106	ST350	2
001891	S055253	AN3-6A	Bolt	s000530	ST350	2
001891	S055252	AN316C4R	Nut, Jam	s019359	ST331	2
001891	S055251	AN44-5A	Eyebolt	s019400	ST339	2
001891	S055250	AN4C7A	Bolt	s027516	ST345	2
001891	S055249	AN665-34R	Clevis	s041157	ST330	2
001891	S054376	CCR264SS3-02	Cherry Rivet	s019421	ST321	36
001891	S054375	CR3213-5-03	Cherry Rivet	fm138207-1	CCK003	14
001891	S054374	MS20426AD5-7	Rivet	f153848	ST311	2
001891	S054373	MS20470AD5-5.5	Rivet	fm134063	ST309	8
001891	S054372	MS20470AD5-6	Rivet	f124089	ST309	8

7/24/07
11/2018

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001891	S054371	MS20470AD5-7	Rivet	f123425	ST309	3
001891	S054370	MS21042L08	Nut	s016879	ST303	2
001891	S054369	MS21042L3	Nut	s038764	ST303	63
001891	S054368	MS21042L4	Nut	s045901	ST303	2
001891	S054367	MS21047-3	Nut Plate	s020620	ST301	18
001891	S054366	MS24693-C278	Screw	s016502	ST287	5
001891	S054365	MS24694-S51	Screw	s004859	ST284	5
001891	S054364	MS24694-S54	Screw	s024480	ST284	2
001891	S054363	MS24694-S55	Screw	fm138621.0	ST283	3
001891	S053977	MS27039-08-13	Screw	s019320-1	ST278	2
001891	S053976	MS27039-1-10	Screw	s005145	ST280	2
001891	S053975	MS27039-1-12	Screw	s027544	ST280	6
001891	S053974	MS27039-1-16	Screw	s027545	ST280	24
001891	S053973	MS27039-1-19	Screw	s024444	ST280	22
001891	S053972	MS27039-1-20	Screw	s000680	ST280	2
001891	S053971	MS27039-1-21	Screw	fm127904-10	ST280	4
001891	S053970	NAS1149F0332P	Washer	s020603	ST262	144
001891	S053969	NAS1149F0363P	Washer	s027738	ST262	2
001891	S053968	NAS1149F0432P	Washer	s034412	ST362	4
001891	S053967	NAS1149FN832P	Washer	s020604	ST263	4

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

606.1629 0129 FM137700

Plex 3/27/18 1:55 PM dart.quirion.sonia

646.2916 5038068

REF. ONLY

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NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-74216.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7. AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5		5		5	78	601.3875	SCREW	AS21042-3		
1		1		1	77	646.9410	SHIM			
		4		4	76	601.2764	WASHER	AS11189F0432P		
		2		2	75	601.2973	LOCKNUT	MS21047-08		
		2		2	74	601.2988	SCREW	MS27039-0813		
		2		2	73	601.2943	LOCKNUT	MS21042-3		
		2		2	72	601.3128	NUT	ANS14C4R		
		2		2	71	601.3209	LOCKNUT	MS21042-4		
		4		4	70	601.2638	WASHER	AS11149F0432P		
		2		2	69	601.2649	BOLT	ANAC7A		
		2		2	68	601.3119	CLEVIS	AN6AS-3AR		
		2		2	67	601.3121	EYE BOLT	AN646-SA		
		2		2	66	650.9201	EYE BRACKET ASSY			
	REF	REF		REF	65	647.5701	GPS MOUNT KIT			
				2	64	601.3151	WASHER	AS11149F0432P		
			2		63	601.2911	SCREW	MS24694553		
		24		24	62	601.2637	SCREW	MS27039-1-16		
	2			2	61	601.2763	BOLT	ANS-12A		
		1		1	60	646.3913	SHIM			
		4		4	59	646.3912	SHIM			
		1		1	58	646.3911	SHIM			
		4		4	57	646.3910	SHIM			
		5		5	56	600.1013	PRIMER			
		8 FT		8 FT	55	600.0129	VHB TAPE			
		1	1	1	54	600.1012	SEALANT	PR-103 CLAR B		
			1	1	53	600.0991	MAGNABOND 6398 PART B			
			1	1	52	600.0990	MAGNABOND 6398 PART A			
	6		10		10	601.2826	BOLT	ANS-11A		
				2		50	646.3814	WIPER BRACKET		
				2		49	601.2910	SCREW	MS27039-1-18	
		2			2	48	601.1365	SCREW	MS27039-1-10	
		2			2	47	646.3719	DOUBLER		
			2		2	46	646.3718	CUSTOM WASHER		
		1			1	45	646.3717	DOUBLER		
			22	2	22	44	601.1948	SCREW	MS27039-1-19	
			2		2	43	601.1952	SCREW	MS27039-1-20	
			4		4	42	601.1956	SCREW	MS27039-1-21	
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 0277N & 0278N	05/08/2010	P. BRAVO
B	INCORPORATED ECN 0277N & 0278N	11/02/2010	P. BRAVO
C	INCORPORATED ECN 0277N	07/07/2010	P. BRAVO

		2	2	41	601.2829	SCREW	MS24694554			
		2	2	40	601.2831	RIVET	MS20426AD5-7			
		1	1	39	646.3716	GAUGE BRACKET				
		6	6	38	601.1953	SCREW	MS27039-1-12			
	2	2	2	37	646.3715	STRUT DOUBLER				
		2	2	36	601.2824	BOLT	ANS-5A			
12	36		36	35	601.2277	RIVET	CORRUM-3-02			
6	18		18	34	600.0795	NUTPLATE	MS21047-3			
3	3		3	33	601.2565	RIVET	MS20470AD5-7			
1	1		1	32	646.3813	STRUT BRACKET				
4	4		4	31	601.2822	BOLT	ANS-3A			
2	2		2	30	644.3812	GUSSET BRACKET				
8	8		8	29	601.2564	RIVET	MS20470AD5-6			
1	1		1	28	646.3714	GUSSET				
	1	1	1	27	646.3610	FILLER				
	3	3	3	26	601.2830	SCREW	MS24694555			
	2	2	2	25	601.2825	BOLT	ANS-6A			
	1	1	1	24	646.3811	RADIUS BLOCK				
	1	1	1	23	646.3712	CLIP				
	1	1	1	22	646.3711	CLIP				
8	8		8	21	601.2832	RIVET	MS20470AD5-8			
14	14		14	20	601.2020	RIVET	CR213-6-3			
4	6	4	6	19	601.2823	BOLT	ANS-6A			
	1	1	1	18	601.2827	BOLT	ANS-13A			
	5	5	5	17	601.2912	SCREW	MS24694551			
1	1		1	16	646.3713	GUSSET				
1	1		1	15	646.3210	SUPPORT				
	1	1	1	14	646.3710	DOUBLER				
	1	1	1	13	646.3110	CHANNEL				
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS27042-3	
16	32	18	120	16	144	11	601.1607	WASHER	MS11189F0432P	
				1	10		646.3410	LH WIPER DEFLECTOR		
			1	9			646.3411	RH WIPER DEFLECTOR		
		2	2	8			647.7703	STRUT ASSY		
		2	2	7			647.0112	STRUT BRACKET		
	1	1	1	6			646.3511	STRUT		
	1	1	1	5			646.3510	STRUT		
2		2		4			646.3810	BRACKET		
		1	1	3			646.2910	DEFLECTOR		
			1	2			646.3001	LOWER CUTTER ASSY		
		1	1				646.3301	UPPER CUTTER ASSY		
X							646.4006	LOWER CUTTER TIED PROVISIONS		
	X						646.4005	LOWER CUTTER REMOVABLE PROVISIONS		
		X					646.4004	FIXED PROVISIONS KIT		
			X				646.4003	CABLE CUTTERS KIT W/WHOLE PIVOT PROVISIONS		
			X				646.4002	AS350 WIPER DEFLECTOR KIT		
				X			646.4001	AS350 CABLE CUTTERS KIT		
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		NEXT ASSY (S)		ORIGINAL DATE 08-27-08	DESIGNED BY P. BRAVO	APPROVED BY P. BRAVO	DATE 08-27-08	3030 ENTERPRISE CT SUITE A VISTA, CA 92081 (760)-724-5300
AS350 CABLE CUTTERS KIT		AS350 CABLE CUTTERS KIT		APCAL INDUSTRIES, INC. 3030 ENTERPRISE CT SUITE A VISTA, CA 92081 (760)-724-5300		REV C		
SCALE NONP		SHEET 1 OF 5		REV C		REV C		